

Fig. 1

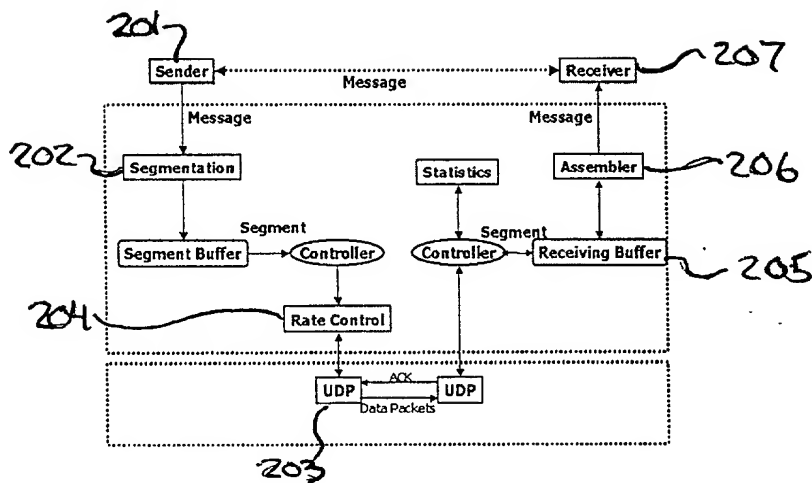


Fig. 2

0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Ver	S	N	S	S	0	R	S	Total Segs				Segment Size											
Y	U	N	L	I	T			Wall Clock				Sequence Number											
Total Segments Sent																							

(a) Data Packet Header

Fig. 3a

0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
Ver		S N U L T		S I T		1 1 1		R e s v		Segment Size													
Wall Clock																							
Ack Sequence Number																							
Extended Ack Sequence Number																							
Bandwidth Measured From Receiver Side																							
The Mean Deviation of Bandwidth Measured From Receiver Side																							
The Packet Loss Rate																							
The Mean Deviation of Packet Loss Rate																							

(b) ACK Packet Header

Fig. 3b

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graph TD
    Begin([Begin]) --> D1{Frame in queue?}
    D1 -- No --> End([End])
    D1 -- Yes --> D2{Prio1-frame in queue?}
    D2 -- No --> End
    D2 -- Yes --> C1[Compute LST1]
    C1 --> D3{LST1 > t?}
    D3 -- No --> E1[Erase frame from queue]
    E1 --> D1
    D3 -- Yes --> D4{Prio2-frame in queue?}
    D4 -- No --> S1[Send Prio1 frame]
    S1 --> E1
    D4 -- Yes --> C2[Compute LST2]
    C2 --> D5{LST2 > t?}
    D5 -- No --> E1
    D5 -- Yes --> D6{D < (LST1 - t)?}
    D6 -- No --> S1
    D6 -- Yes --> S2[Send Prio2 frame]
    S2 --> E1
```

401

402

403

404

405

406

407

408

409

Begin

Frame in queue?

No

Yes

Prio1-frame in queue?

No

Yes

Compute LST1

LST1 > t?

No

Yes

Prio2-frame in queue?

No

Yes

Compute LST2

LST2 > t?

No

Yes

D < (LST1 - t)?

No

Yes

Send Prio1 frame

Send Prio2 frame

Erase frame from queue

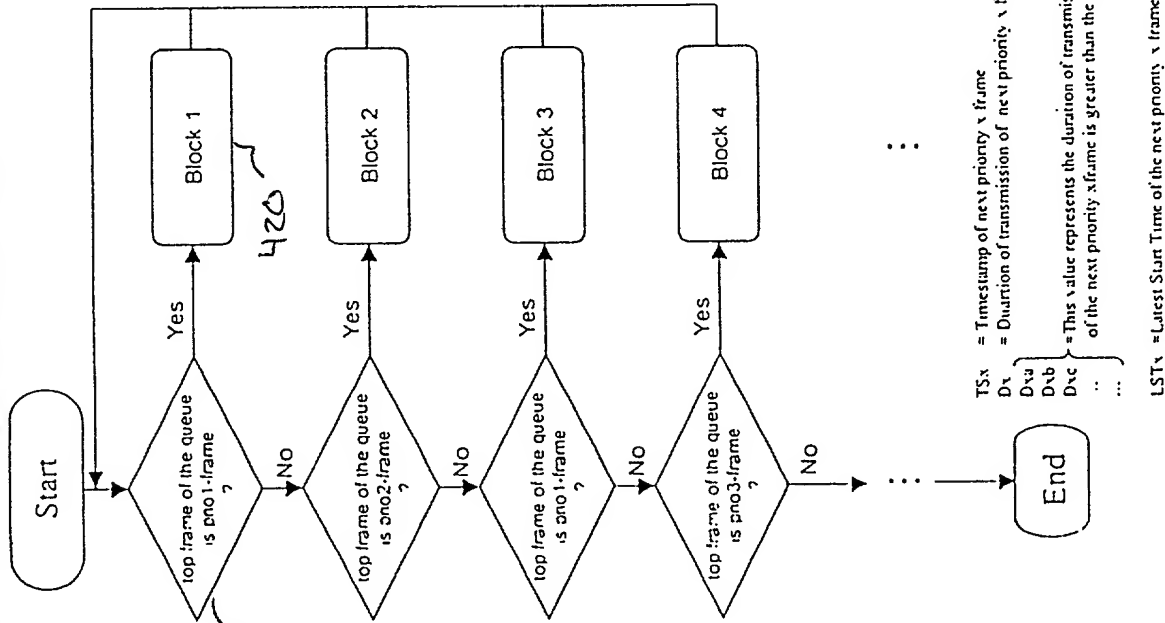
Erase frame from queue

End

LST1=Latest Start Time of next Prio1 frame
LST2=Latest Start Time of next Prio2 frame
t=current time
D=Duration of transmission of current Prio2 frame

Fig. 4a

Fig. 46



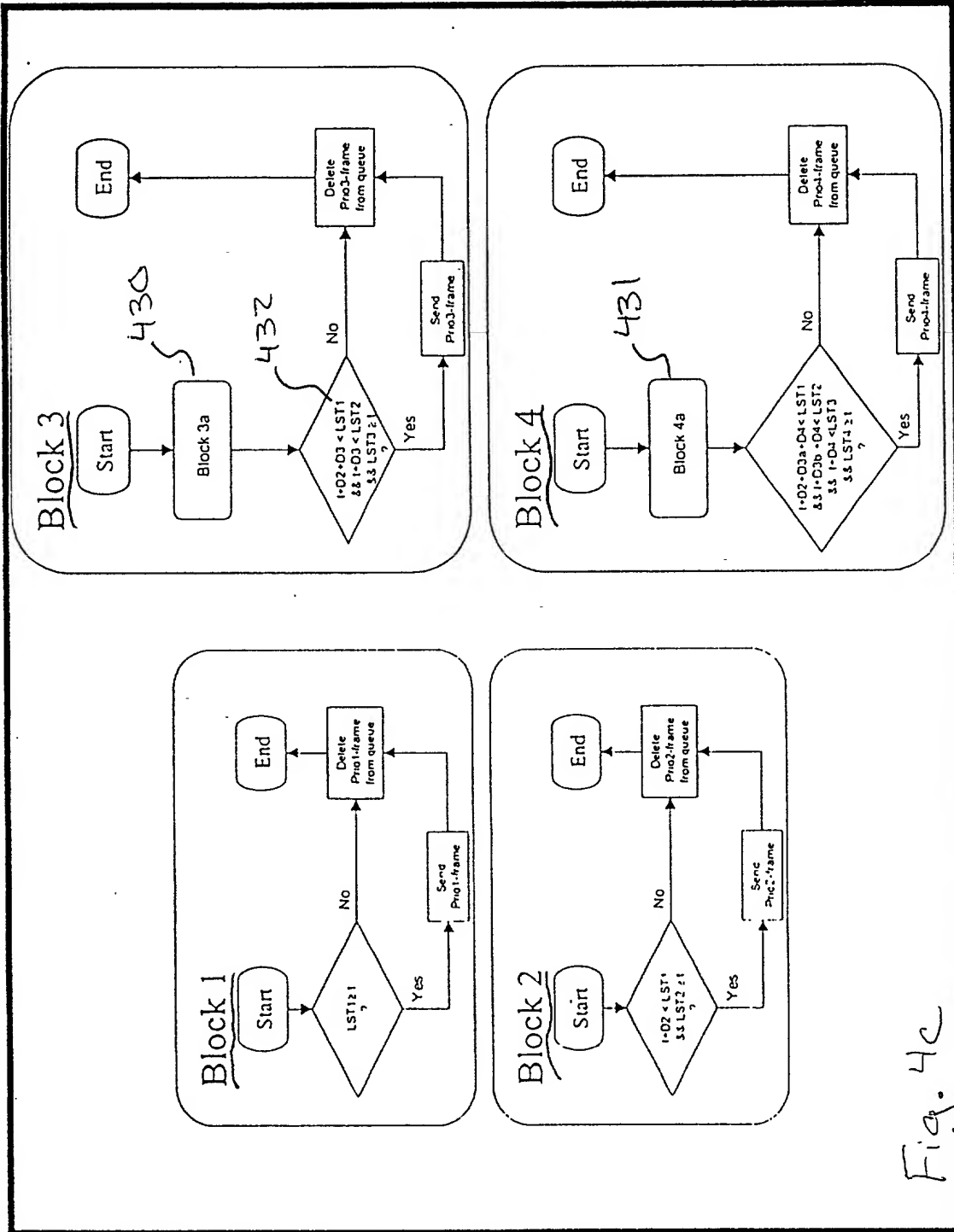


Fig. 4c

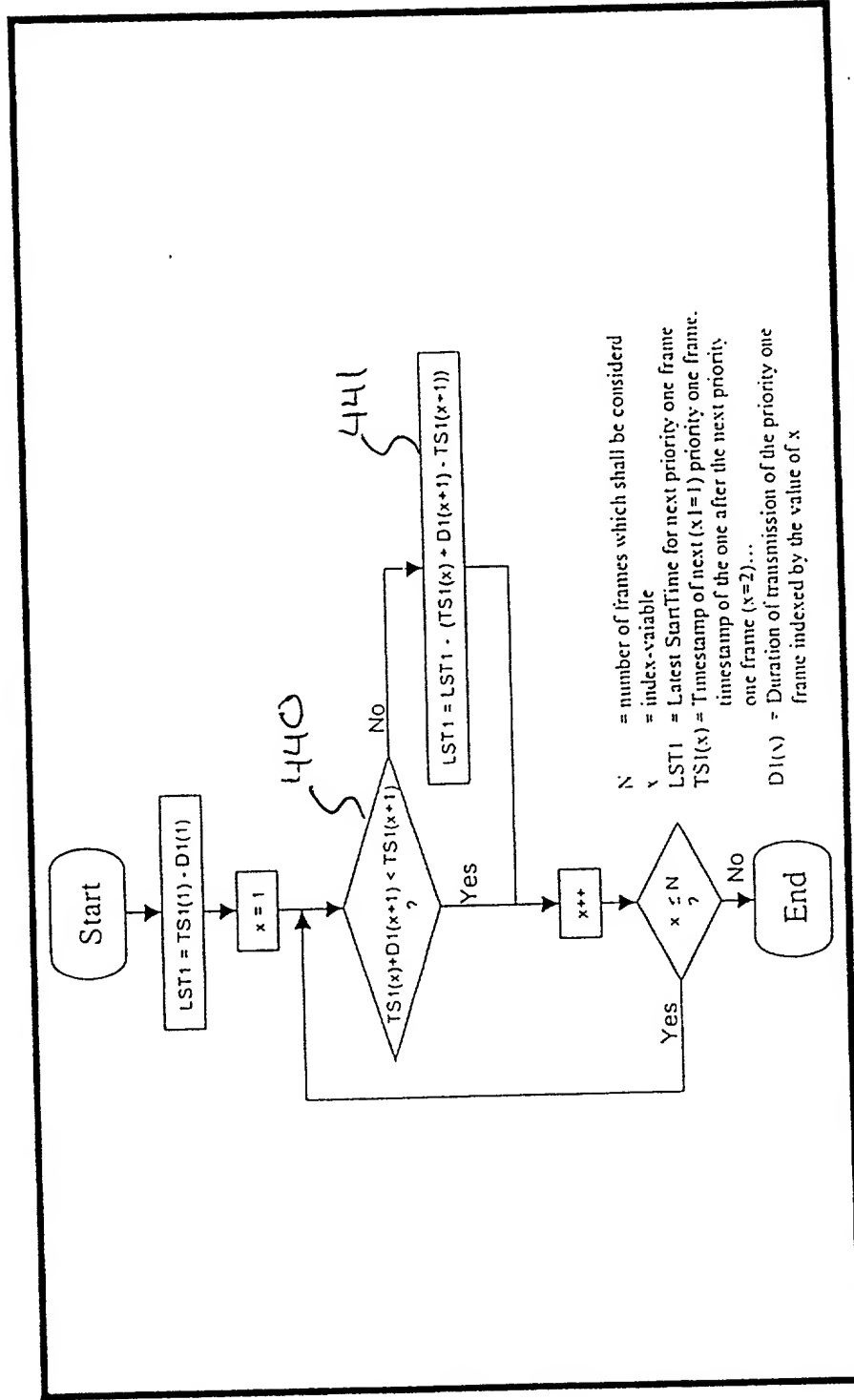


Fig. 4d

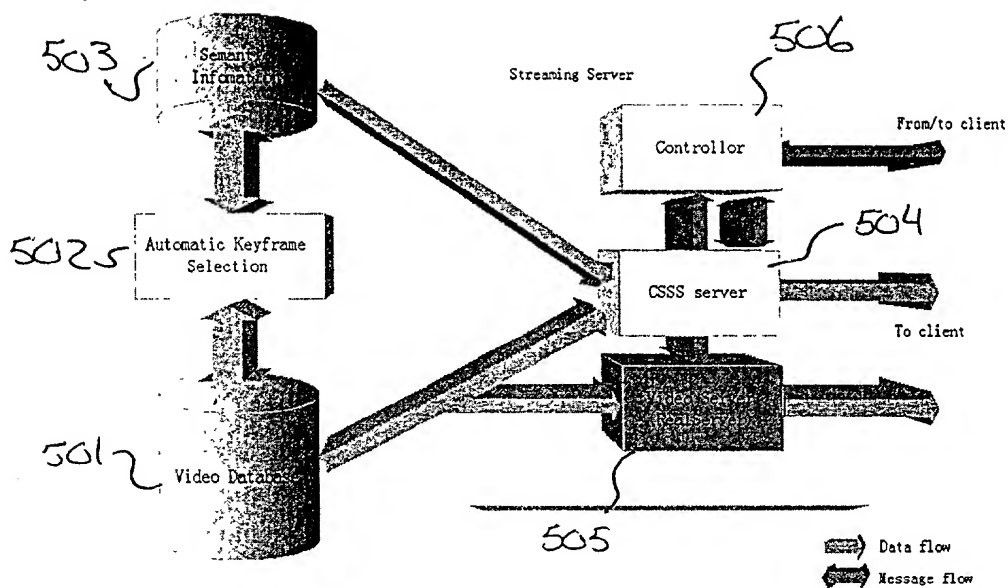


Fig. 5

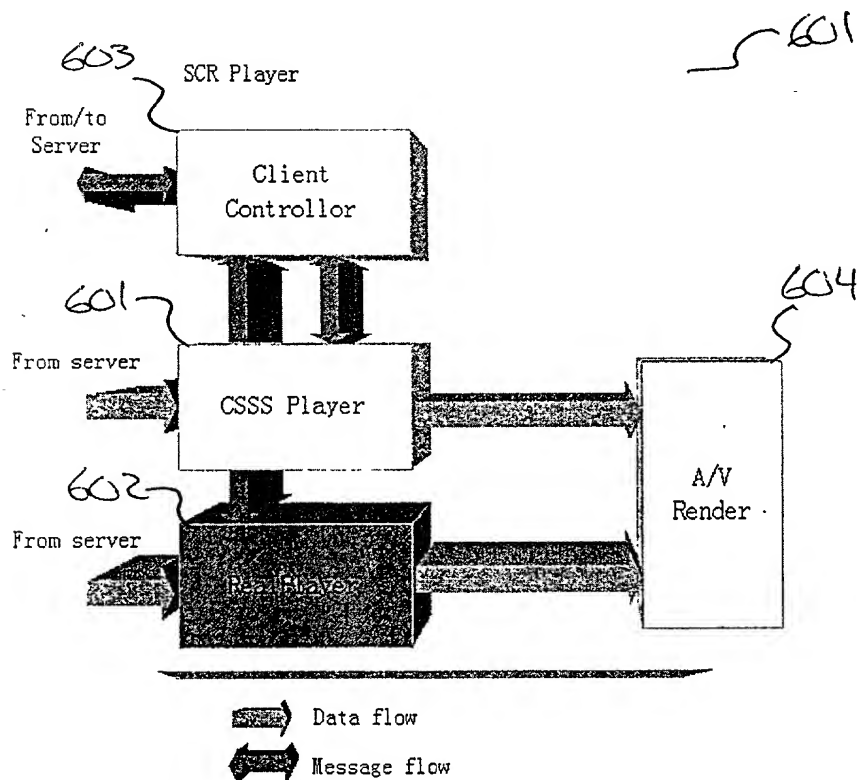


Fig. 6

frame	f1	f2	f3	f4	f5	f6	f7	f8	f9	f10	f11	f12	f13	f14	f15
priority	1	2	2	2	2	1	2	2	2	2	1	2	2	1	2
timestamp	0	3	4	5	7	8	10	13	14	15	16	17	18	19	21
transmission time	2	1	2	3	1	4	2	1	2	1	3	1	2	3	1

Fig. 7a

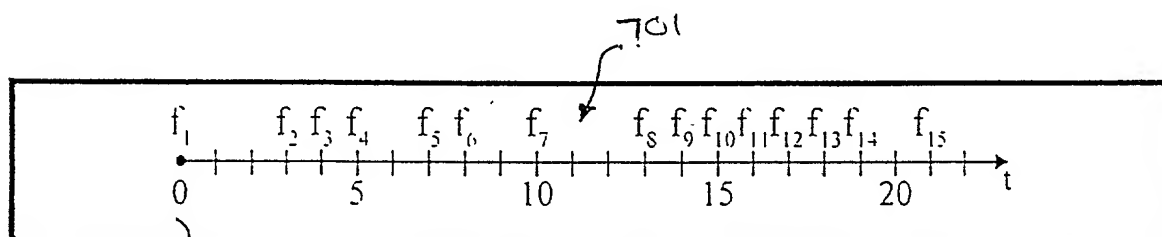


Fig. 7b